

L Number	Hits	Search Text	DB	Time stamp
-	3	"multi-function actuator".ab,clm.	USPAT; US-PGPUB	2003/04/18 23:01
-	542	(381/412,420).CCLS.	USPAT; US-PGPUB	2003/04/24 21:42
-	833	(381/396,401,398,402,403).CCLS.	USPAT; US-PGPUB	2003/04/24 21:42
-	542	(381/412,420).CCLS.	USPAT; US-PGPUB	2003/04/24 21:42
-	836	(381/396,401,398,402,403).CCLS.	USPAT; US-PGPUB	2003/04/24 21:42
-	71	(((381/400).CCLS.) ((381/412,420).CCLS.) ((381/396,401,398,402,403).CCLS.)) and (notch bps hp "high pass" "band pass" tactile)	USPAT; US-PGPUB	2003/04/24 21:44
-	159	(381/400).CCLS.	USPAT; US-PGPUB	2003/04/24 21:56
-	0	("4 not 1").PN.	USPAT; US-PGPUB	2003/04/24 21:56
-	505	((381/412,420).CCLS.) not ((381/400).CCLS.)	USPAT; US-PGPUB	2003/04/24 22:21
-	654	((381/396,401,398,402,403).CCLS.) not (((381/400).CCLS.) ((381/412,420).CCLS.))	USPAT; US-PGPUB	2003/04/24 22:46
-	377	multi adj3 actuator	USPAT; US-PGPUB	2003/04/24 22:46
-	375	(multi adj3 actuator) not (((381/400).CCLS.) ((381/412,420).CCLS.) ((381/396,401,398,402,403).CCLS.) ((((381/400).CCLS.) ((381/412,420).CCLS.) ((381/396,401,398,402,403).CCLS.)) and (notch bps hp "high pass" "band pass" tactile))))	USPAT; US-PGPUB	2003/04/24 22:47
-	149	((multi adj3 actuator) not (((381/400).CCLS.) ((381/412,420).CCLS.) ((381/396,401,398,402,403).CCLS.) ((((381/400).CCLS.) ((381/412,420).CCLS.) ((381/396,401,398,402,403).CCLS.)) and (notch bps hp "high pass" "band pass" tactile)))) and (coil magnet)	USPAT; US-PGPUB	2003/04/24 22:47
-	1772	(455/90,567).CCLS.	USPAT; US-PGPUB	2003/04/25 18:37
-	264	((455/90,567).CCLS.) and (coil magnet)	USPAT; US-PGPUB	2003/04/25 18:37
-	555	(340/407.1,388.1).CCLS.	USPAT; US-PGPUB	2003/04/25 19:07
-	128	((340/407.1,388.1).CCLS.) and coil	USPAT; US-PGPUB	2003/04/25 19:07

L Number	Hits	Search Text	DB	Time stamp
1	2713	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.	USPAT; US-PGPUB	2003/04/27 22:46
4	634	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.) and (filter notch tactile resistor inductor capacitor)	USPAT; US-PGPUB	2003/04/27 23:09
7	551	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.	EPO; JPO; DERWENT	2003/04/27 22:49
11	29	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.) and (filter notch tactile resistor inductor capacitor)	EPO; JPO; DERWENT	2003/04/27 22:50
15	124	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.) and (filter notch tactile resistor inductor capacitor) and notch	USPAT; US-PGPUB	2003/04/27 22:54
18	2	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.) and (filter notch tactile resistor inductor capacitor) and (notch adj3 filter)	USPAT; US-PGPUB	2003/04/27 22:54
21	156	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.) and (filter notch tactile resistor inductor capacitor) and (notch bandpass)	USPAT; US-PGPUB	2003/04/27 23:23
24	39	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.) and (filter notch tactile resistor inductor capacitor) and (band adj pass)	USPAT; US-PGPUB	2003/04/27 23:23
27	30	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.) and (filter notch tactile resistor inductor capacitor) and (band adj pass)) not	USPAT; US-PGPUB	2003/04/27 23:33
30	1	((381/396,398,400,401,402,403) or (455/90,567)).CCLS.) and (filter notch tactile resistor inductor capacitor) and (notch bandpass))		
30	1	"6466682"	USPAT; US-PGPUB	2003/04/27 23:35
33	568	samsung.asn. and \$4speaker	USPAT; US-PGPUB	2003/04/27 23:35
36	59	(samsung.asn. and \$4speaker) and coil	USPAT; US-PGPUB	2003/04/27 23:37
39	101	381/\$.ccls. and ((notch bandpass "band pass") same coil)	USPAT; US-PGPUB	2003/04/27 23:40
42	1	381/\$.ccls. and (((low pass" lowpass) and ("high pass" and highpass)) same coil)	USPAT; US-PGPUB	2003/04/27 23:45
45	38	381/\$.ccls. and (((notch bandpass "band pass") adj1 filter) same coil)	USPAT; US-PGPUB	2003/04/27 23:45
48	0	455/\$.ccls. and (((low pass" lowpass) and ("high pass" and highpass)) same coil) and \$4speaker	USPAT; US-PGPUB	2003/04/27 23:48
51	0	340/\$.ccls. and (((low pass" lowpass) and ("high pass" and highpass)) same coil) and \$4speaker	USPAT; US-PGPUB	2003/04/27 23:45
54	151	455/\$.ccls. and (((notch bandpass "band pass") adj1 filter) same coil)	USPAT; US-PGPUB	2003/04/27 23:46
57	33	340/\$.ccls. and (((notch bandpass "band pass") adj1 filter) same coil) and \$4speaker	USPAT; US-PGPUB	2003/04/27 23:46
60	35	(455/\$.ccls. and (((notch bandpass "band pass") adj1 filter) same coil)) and \$4speaker	USPAT; US-PGPUB	2003/04/27 23:46
63	1729	\$4speaker and ((notch bandpass "band pass" lowpass "low pass" highpass "high pass") adj2 filter) and coil	USPAT; US-PGPUB	2003/04/27 23:49
69	11	((5829319) or ("6211775") or ("9849460")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/27 23:50
66	150	\$4speaker same ((notch bandpass "band pass" lowpass "low pass" highpass "high pass") adj2 filter) same coil	USPAT; US-PGPUB	2003/04/28 00:09
75	10	"4582163"	USPAT; US-PGPUB	2003/04/28 00:10
78	10	"4582163"	USPAT; US-PGPUB	2003/04/28 00:10

81	8	"4300022"	USPAT; US-PGPUB	2003/04/28 00:10
84	68	((("4582163") or ("4300022") or ("5511132") or ("4504704") or ("2007750") or ("20030044031") or ("20020114486") or ("2007747") or ("2007748") or ("2007750") or ("2007749") or ("3838216") or ("4504704") or ("6553125") or ("6211775") or ("20020177419") or ("6466682") or ("6487300") or ("6373958") or ("5861686") or ("4520237") or ("4300022") or ("20030036364") or ("20020051557") or ("20020061115") or ("20020064295") or ("20020076068") or ("20020122560") or ("20030044040") or ("20030059079")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/28 00:29
90	3	6211775.URPN.	USPAT	2003/04/28 00:19
91	3	((("4582163") or ("4300022") or ("5511132") or ("4504704") or ("2007750") or ("20030044031") or ("20020114486") or ("2007747") or ("2007748") or ("2007750") or ("2007749") or ("3838216") or ("4504704") or ("6553125") or ("6211775") or ("20020177419") or ("6466682") or ("6487300") or ("6373958") or ("5861686") or ("4520237") or ("4300022") or ("20030036364") or ("20020051557") or ("20020061115") or ("20020064295") or ("20020076068") or ("20020122560") or ("20030044040") or ("20030059079")).PN.) and "vibrating coil".clm.	USPAT; USPAT; US-PGPUB	2003/04/28 00:22
94	3	((("4582163") or ("4300022") or ("5511132") or ("4504704") or ("2007750") or ("20030044031") or ("20020114486") or ("2007747") or ("2007748") or ("2007750") or ("2007749") or ("3838216") or ("4504704") or ("6553125") or ("6211775") or ("20020177419") or ("6466682") or ("6487300") or ("6373958") or ("5861686") or ("4520237") or ("4300022") or ("20030036364") or ("20020051557") or ("20020061115") or ("20020064295") or ("20020076068") or ("20020122560") or ("20030044040") or ("20030059079")).PN.) and "vibrating coil".clm.	USPAT; US-PGPUB	2003/04/28 00:30
97	0	("84 and filter").PN.	USPAT; US-PGPUB	2003/04/28 00:29
100	4	((("4582163") or ("4300022") or ("5511132") or ("4504704") or ("2007750") or ("20030044031") or ("20020114486") or ("2007747") or ("2007748") or ("2007750") or ("2007749") or ("3838216") or ("4504704") or ("6553125") or ("6211775") or ("20020177419") or ("6466682") or ("6487300") or ("6373958") or ("5861686") or ("4520237") or ("4300022") or ("20030036364") or ("20020051557") or ("20020061115") or ("20020064295") or ("20020076068") or ("20020122560") or ("20030044040") or ("20030059079")).PN.) and filter	USPAT; US-PGPUB	2003/04/28 00:29
103	15	((("4582163") or ("4300022") or ("5511132") or ("4504704") or ("2007750") or ("20030044031") or ("20020114486") or ("2007747") or ("2007748") or ("2007750") or ("2007749") or ("3838216") or ("4504704") or ("6553125") or ("6211775") or ("20020177419") or ("6466682") or ("6487300") or ("6373958") or ("5861686") or ("4520237") or ("4300022") or ("20030036364") or ("20020051557") or ("20020061115") or ("20020064295") or ("20020076068") or ("20020122560") or ("20030044040") or ("20030059079")).PN.) and (damp\$3 or band)	USPAT; US-PGPUB	2003/04/28 00:30
106	3	6211775.URPN.	USPAT	2003/04/28 00:34
107	2	("6211775" "6373956").PN.	USPAT	2003/04/28 00:34
108	0	2000002868.URPN.	USPAT	2003/04/28 00:35

109	0	20030059079.URPN.	USPAT	2003/04/28 00:35
110	0	20030036364.URPN.	USPAT	2003/04/28 00:35
111	0	20020122560.URPN.	USPAT	2003/04/28 00:35
112	0	6553125.URPN.	USPAT	2003/04/28 00:35
113	2	("6211775" "6373956").PN.	USPAT	2003/04/28 00:35
114	0	6487300.URPN.	USPAT	2003/04/28 00:35
115	6	("4728934" "5511132" "5528697" "5894263" "6208237" "6211775").PN.	USPAT	2003/04/28 00:35
116	0	6466682.URPN.	USPAT	2003/04/28 00:36
117	2	("5829319" "6211775").PN.	USPAT	2003/04/28 00:36
118	0	6373958.URPN.	USPAT	2003/04/28 00:36
119	8	("3997724" "4675907" "5436622" "5524061" "5528697" "5894263" "5956622" "6208237").PN.	USPAT	2003/04/28 00:36
120	8	5861686.URPN.	USPAT	2003/04/28 00:36
121	8	("4240002" "4391532" "5172092" "5467323" "5517574" "5546069" "5682132" "5747906").PN.	USPAT	2003/04/28 00:36
122	4	5511132.URPN.	USPAT	2003/04/28 00:37
123	3	("3629521" "3916312" "5125032").PN.	USPAT	2003/04/28 00:37
124	9	4582163.URPN.	USPAT	2003/04/28 00:37
125	6	("1917309" "2007750" "2866515" "3930130" "4190746" "4359132").PN.	USPAT	2003/04/28 00:37
126	9	4520237.URPN.	USPAT	2003/04/28 00:38
127	7	("3133162" "3138864" "3430007" "3453400" "4143537" "4158756" "4376233").PN.	USPAT	2003/04/28 00:38
128	13	4504704.URPN.	USPAT	2003/04/28 00:38
129	7	("2007746" "2007748" "2007749" "3055991" "3838216" "4201886" "4335274").PN.	USPAT	2003/04/28 00:38
130	6	4300022.URPN.	USPAT	2003/04/28 00:39
131	7	("1822758" "1969657" "2194175" "2860183" "2925541" "3196211" "3542952").PN.	USPAT	2003/04/28 00:39
132	16	3838216.URPN.	USPAT	2003/04/28 00:39
133	5	("2007746" "2007748" "2318517" "2727949" "2832828").PN.	USPAT	2003/04/28 00:40
136	2	2007750.URPN.	USPAT	2003/04/28 00:40
139	2	2007749.URPN.	USPAT	2003/04/28 00:40
142	6	2007748.URPN.	USPAT	2003/04/28 00:40
145	4	2007747.URPN.	USPAT	2003/04/28 00:41
146	2	2007750.URPN.	USPAT	2003/04/28 00:41
147	0	20020122560.URPN.	USPAT	2003/04/28 00:41